

Notice of Allowability

Application No.

10/782,879

Examiner

Jin-Cheng Wang

Applicant(s)

KANG, JUNG YONG

Art Unit

2628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/31/2007.
2. ☒ The allowed claim(s) is/are 1,3,4,6,7,10,12,13,15 and 16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Reasons for Allowance

Claims 1, 3-4, and 6-7 of the amendment dated 10/31/2007 are allowed. The following is an examiner's statement of reasons for allowance of claims 1, 3-4, and 6-7: Nothing in the prior art anticipates or suggests, "wherein the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the slam: point of the graphic image is shifted to within the valid display period" in a method for controlling a resolution of a graphic image comprising: (a) selecting a first resolution value of the graphic image to be displayed on an external display unit, said first resolution value corresponding to first horizontal and vertical resolution values; (b) additionally selecting a second resolution value corresponding to a valid screen size of the external display unit, said second resolution value being less than the first resolution value, and said second resolution value corresponding to second horizontal and vertical resolution values corresponding to a valid horizontal and vertical frequency so that the graphic image controlled by the first resolution value selected at the step (a) is displayed within the valid screen size; (c) confirming a source type on the graphic image to be displayed on the external display unit and a screen mode; (d) referring to at least one from the selected first and second resolution values and reconfiguring the graphic image according to a result of the confirmation; and (e) shifting a start point of the graphic image controlled by the second horizontal and vertical resolution values selected at the step (b) to within a valid display period contained between horizontal sync signals and excluding part of a rear end of the graphic image from a valid display period such that a number of pixels of the graphic image in a horizontal direction is reduced and a number of lines of the graphic image in a vertical direction is reduced, wherein if the source type of the confirmed graphic image is a source type other than a video or

broadcast image or is a video or broadcast image based on a screen mode other than a full screen mode, the referring step (d) refers to the first and second resolution values, and if the source type of the confirmed graphic image is a video or broadcast image based on a full screen mode, the referring step (d) refers only to the first resolution value; and wherein the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the slam: point of the graphic image is shifted to within the valid display period; set forth in the independent claim 1. The claims 3-4 and 6-7 depend upon the claim 1 and are allowed for the same reason as the base claim 1.

Claims 10, 12-13 and 15-16 of the amendment dated 10/31/2007 are allowed for same reasons discussed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jin-Cheng Wang whose telephone number is (571) 272-7665. The examiner can normally be reached on 8:00 - 6:30 (Mon-Thu).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272-7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

jcw

Jinzheng Wang, P.E.